



ATTORNEY DOCKET NO. 03234.0018U3
APPLICATION NO. 10/786,652

JFW

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:)
SRINIVAS) Confirmation No.: 2861
Application No.: 10/786,652) Group Art Unit: 1745
Filed: February 25, 2004) Examiner: Unassigned
FOR: "SULFONATED CONDUCTING POLYMER-)
GRAFTED CARBON MATERIAL FOR FUEL)
CELL APPLICATIONS")

INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

NEEDLE & ROSENBERG, P.C.
Customer Number 23859

August 18, 2004

Sir:

Pursuant to the requirements of 37 C.F.R. § 1.56, submitted herewith on the accompanying Form PTO 1449 is a listing of documents known to Applicant and/or his attorneys. A copy of each of these documents is enclosed.

In accordance with the provisions of M.P.E.P. § 2001.06(b) and 37 C.F.R. § 1.98(b)(3), Applicant would like to bring to the attention of the Examiner the existence of the co-pending patent application(s) identified below, which were filed in the United States Patent and Trademark Office:

<u>Application No.</u>	<u>Date Filed</u>	<u>Inventors</u>	<u>Attorney Docket No.</u>
1. 10/229,933	08/18/2002	Srinivas	03234.0002U2
2. 10/445,273	05/23/2003	Srinivas <i>et al.</i>	03234.0016U2
3. 10/445,090	05/23/2003	Srinivas	03234.0017U2
4. 10/786,651	02/25/2004	Srinivas	03234.0017U3

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APPLICATION NO. 10/786,652

<u>Application No.</u>	<u>Date Filed</u>	<u>Inventors</u>	<u>Attorney Docket No.</u>
5. 10/654,234	09/02/2003	Srinivas	03234.0021U1
6. 10/801,348	03/16/2004	Brown	03234.0024U1

In accordance with the requirements of 37 C.F.R. § 1.98(a)(2)(iii), a copy of the above-referenced application specification(s), including the claims and drawings thereof, is enclosed.

This Information Disclosure Statement is believed to be filed in a timely manner pursuant to 37 C.F.R. § 1.97(b)(3), in that a first Office Action on the merits of the present patent application has not yet been mailed to Applicant.

Consideration of the cited documents and making the same of record in the prosecution of the above-referenced application are respectfully requested.

No fee is believed due; however, the Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. 14-0629.

Respectfully submitted,

NEEDLE & ROSENBERG, P.C.



Mitchell A. Katz
Registration No. 33,919

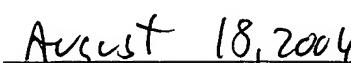
NEEDLE & ROSENBERG, P.C.
Customer Number 23859
(678) 420-9300 Phone
(678) 420-9301 Fax

CERTIFICATE OF MAILING UNDER 37 C.F.R. § 1.8

I hereby certify that this correspondence, including any items indicated as attached or included, is being deposited with the United States Postal Service as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on the date indicated below.



Mitchell A. Katz



Date

Form PTO 1449 U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		<i>Complete if Known</i>	
		Application Number	10/786,652
		Filing Date	02/25/2004
		First Name Inventor	Srinivas
		Art Unit	1745
		Examiner Name	Unassigned

LIST OF INFORMATION CITED BY APPLICANT
(Use as many sheets as necessary)

U.S. PATENT DOCUMENTS							
Examiner Initials	Cite No.	Document No.	Date	Name	Class	Subclass	Filing Date (if appropriate)
	B1	US 6,572,227 B2	06/03/2003	Yamashita <i>et al.</i>			
	B2	US 6,524,383 B2	02/25/2003	Komatsu <i>et al.</i>			
	B3	US 6,494,946 B1	12/17/2002	Belmont <i>et al.</i>			
	B4	US 6,042,643	03/28/2000	Belmont <i>et al.</i>			
	B5	US 5,993,996	11/30/1999	Firsich			
	B6	US 5,976,233	11/02/1999	Osumi <i>et al.</i>			
	B7	US 5,928,419	07/27/1999	Uemura <i>et al.</i>			
	B8	US 5,900,029	05/04/1999	Belmont <i>et al.</i>			
	B9	US 5,548,060	08/20/1996	Allcock <i>et al.</i>			
	B10	US 5,156,651	10/20/1992	Girardeau <i>et al.</i>			
	B11	US 5,152,801	10/06/1992	Altermatt <i>et al.</i>			
	B12	US 4,237,323	12/02/1980	Aliev <i>et al.</i>			
	B13	US 3,870,841	03/11/1975	Makowski <i>et al.</i>			
	B14	US 3,853,933	12/10/1974	Siciliano			
	B15	US 3,528,840	09/15/1970	Aboytes			
	B16	US 3,519,452	07/07/1970	Rivin <i>et al.</i>			
	B17	US 3,442,679	05/06/1969	Rivin <i>et al.</i>			
	B18	US 3,279,935	10/18/1966	Daniell <i>et al.</i>			
	B19	US 2003/0095914 A1	05/22/2003	Belmont <i>et al.</i>			
	B20	US 2003/0079643 A1	05/01/2003	Tomioka <i>et al.</i>			
	B21	US 2002/0088375 A1	07/11/2002	Komatsu <i>et al.</i>			
	B22	US 2002/0020318 A1	02/21/2002	Galloway <i>et al.</i>			
	B23	US 2002/0006982 A1	01/17/2002	Kurabayashi			

FOREIGN PATENT DOCUMENTS					
Examiner Initials	Cite No.	Foreign Patent Document Country Code-Number-Kind Code	Date	Name	Translation Yes/No
	B24	EP 0 466 261 A1	01/15/1992	Agfa-Gevaert	
	B25	WO 03/100889 A1	12/04/2003	Columbian Chemicals Company	
	B26	WO 03/100883 A2	12/04/2003	Columbian Chemicals Company	
	B27	WO 03/099946 A1	12/04/2003	Columbian Chemicals Company	

NON PATENT LITERATURE DOCUMENTS		
Examiner Initials	Cite No.	Non-Patent Citations (include Author, Title, Publisher, Relevant Pages, Date and Place of Publication)
	B28 ✓	Internet website for Sigma-Aldrich for Product No. 530565, "Polyaniline (emeraldine salt) - composite with carbon black," www.sigmaaldrich.com (4/6/04)
	B29 ✓	Internet website for Sigma-Aldrich for Product No. 530573, "Polypyrrole - composite with carbon black," www.sigmaaldrich.com (4/6/04)
	B30 ✓	Lefebvre <i>et al.</i> , "Electronically Conducting Proton Exchange Polymers as Catalyst Supports for Proton Exchange Membrane Fuel Cells," <i>Journal of Electrochemical Society</i> , 146(6):2054-2058 (1999)
	B31 ✓	Product Brochure entitled "Raven Blacks," published by Columbian Chemicals Company, Marietta, Georgia (10/99)
	B32 ✓	Tsubokawa, "Functionalization of Carbon Black by Surface Grafting of Polymers," <i>Prog. Polym. Sci.</i> , 17:417-470 (1992)
Examiner Signature:		Date Considered

EXAMINER: Initial if reference considered, whether or not citation is in conformation with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Form PTO 1449 U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		<i>Complete if Known</i>	
		Application Number	10/786,652
		Filing Date	02/25/2004
		First Name Inventor	Srinivas
		Art Unit	1745
		Examiner Name	Unassigned

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(Use as many sheets as necessary)

U.S. PATENT DOCUMENTS							
Examiner Initials	Cite No.	Document No.	Date	Name	Class	Subclass	Filing Date (if appropriate)
	A1	6,478,987 B1	11/12/02	Akita <i>et al.</i>			
	A2	6,117,581	09/12/00	Shelef			
	A3	5,932,144	08/03/99	Shimizu, et al.			
	A4	5,871,671	02/16/99	Kinlen, et al.			
	A5	5,595,689	01/27/97	Kulkarni, et al.			
	A6	5,498,372	03/12/96	Hedges			
	A7	5,334,292	08/02/94	Rajeshwar, et al.			
	A8	5,290,483	03/01/94	Kulkarni, et al.			
	A9	5,250,163	10/05/93	Epstein <i>et al.</i>			
	A10	5,093,439	03/03/92	Epstein <i>et al.</i>			

FOREIGN PATENT DOCUMENTS					
Examiner Initials	Cite No.	Foreign Patent Document Country Code-Number-Kind Code	Date	Name	Translation Yes/No
	A11	WO 03/100884 A2	12/04/2003	WO 03/100884 A2	
	A12	WO 01/015253 A1	03/01/2001	Medis El Ltd.	

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials	Cite No.	Non-Patent Citations (include Author, Title, Publisher, Relevant Pages, Date and Place of Publication)	
	A13 ✓	Chao <i>et al.</i> , "A Study of Polypyrrole Synthesized with Oxidative Transition Metal Ions," <i>Journal of Polymer Science, Part A: Polymer Chemistry</i> , 26:743-753 (1988)	
	A14 ✓	Wampler <i>et al.</i> , "Composites of Polypyrrole and Carbon Black: Part III. Chemical Synthesis and Characterization," <i>Journal of Materials Research</i> , 10(7):1811-1822 (1995)	
	A15 ✓	Wei <i>et al.</i> , "Synthesis of highly sulfonated polyaniline." The Ohio State University, <i>Synthetic Metals</i> 74:123-125 (1995)	
Examiner Signature:		Date Considered	

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